IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Robert Mark Stefan PORTER et al.

International Application No.:   PCT/GB2003/005236

International Filing Date: November 28, 2003

For: FACE DETECTION

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INFORMATION DISCLOSURE STATEMENT

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Sir:

Enclosed are copies of the publications, which were cited in the specification of the instant application, in the UK Search Report of priority application GB 0227913.1 and in the International Search Report of International Application No. PCT/GB2003/005236. Also enclosed is a copy of Form PTO-1449 and the Search Reports.

In the event the above-identified patent application was filed after June 30, 2003 or is an international application that entered the national stage under 35 U.S.C. 371 after June

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30, 2003, no copy of any cited U.S. patent or U.S. patent application publication is provided. See, "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003" as stated in the Notice published in The Official Gazette of August 5, 2003.

In the event the above-identified patent application was filed under 35 U.S.C. 111 on or after June 30, 2003, or is an international application that entered the national stage on or after June 30, 2003, no copy of the specification, claims or drawings of any cited pending U.S. patent application is provided. See, "Waiver of the Copy Requirement in 37 CFR 1.98 for Cited Pending U.S. Patent Applications" as stated in the Notice published in the Official Gazette of October 19, 2004.

REMARKS

Entry of this Information Disclosure Statement and an early examination on the merits are respectfully solicited.

Please charge any additional fees to Deposit Account No. 50-0320.

Respectfully submitted,

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Enclosures

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Based on Form PTO-1449 (3/90)	ATTY. DOCKET NO. 450110-05575	SERIAL NO. 536697 Filed Concurrently Herewith
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	APPLICANT Robert Mark Stefan PORTER et al.	
	FILING DATE Filed Concurrently Herewith	GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	2003/0002715	01/02/03	Kowald			
	AB						
	AC						
	AD						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AE	EP 1 221 660	07/10/02	Europe			
	AF						
	AG						

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AH	TAE-KYUN KIM ET AL: "Integrated approach of multiple face detection for video surveillance" PATTERN RECOGNITION, 2002. PROCEEDINGS. 16TH INTERNATIONAL CONFERENCE ON QUEBEC CITY, QUE., CANADA 11-15 AUG. 2002, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US, 11 August 2002, pages 394-397, XP010613903
	AI	GARCIA C ET AL: "Face detection using quantized skin color regions merging and wavelet packet analysis" IEEE TRANS. MULTIMED. (USA), IEEE TRANSACTIONS ON MULTIMEDIA, SEPT. 1999, IEEE, USA, vol. 1, no. 3. September 1999, pages 264-277, XP001191136
	AJ	HARDEBERG JON Y: "Digital red eye removal" J IMAGING SCI TECHNOL; JOURNAL OF IMAGING SCIENCE AND TECHNOLOGY JULY/AUGUST 2002, vol. 46, no. 4, July 2002, pages 375-379, XP001189507
	AK	H. Schneiderman and T. Kanade, "A statistical model for 3D object detection applied to faces and cars," IEEE Conference on Computer Vision and Pattern Detection, 2000.
	AL	H. Schneiderman and T. Kanade, "Probabilistic modelling of local appearance and spatial relationships for object detection," IEEE Conference on Computer Vision and Pattern Detection, 1998.
	AM	H. Schneiderman, "A statistical approach to 3D object detection applied to faces and cars," PhD thesis, Robotics Institute, Carnegie Mellon University, 2000.
	AN	E. Hjelmas and B.K. Low, "Face Detection: A Survey," Computer Vision and Image Understanding, no. 83, pp. 236-274, 2001.
	AO	M.-H. Yang, D. Kriegman and N. Ahuja, "Detecting Faces in Images: A Survey," IEEE Trans. On Pattern Analysis and Machine Intelligence, vol. 24, no. 1, pp. 34-58, Jan 2002.

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